

# WEST Search History

DATE: Thursday, February 27, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT;JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>			
L14	L12 same escherichia	17	L14
L13	L12 and escherichia	504	L13
L12	sucrose with (utiliz\$ or assimil\$)	2315	L12
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L11	5705371.pn.	1	L11
<del><i>DB=EPAB; PLUR=YES; OP=OR</i></del>			
L10	pompejus\$.in.	9	L10
L9	L8 and microbial.ti.	4	L9
L8	corynebacterium.ti.	33	L8
L7	\$13143.an.	0	L7
L6	13143.an.	0	L6
<del><i>DB=DWPI; PLUR=YES; OP=OR</i></del>			
L5	200251231.pn.	1	L5
L4	2002051231.pn.	2	L4
L3	200261093.pn.	1	L3
L2	200261093.pn.	1	L2
<del><i>DB=PGPB; PLUR=YES; OP=OR</i></del>			
L1	20020192674.pn.	1	L1

END OF SEARCH HISTORY

09/841609  
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 15:04:50 ON 27 FEB 2003

L1 2925 S ESCHERICHIA AND SUCROSE  
L2 5107 S SUCROSE (P) (UTILIZ? OR ASSIMIL?)  
L3 5 S SUCROSE (P) TRANSPORT (P) INVERTASE (P) FRUCTOKINASE  
L4 4110 S SUCROSE (P) TRANSPORT  
L5 19 S L1 AND L2 AND L4  
L6 7253 S SUCROSE (P) (TRANSPORT OR INVERTASE OR FRUCTOKINASE)  
L7 25 S L1 AND L2 AND L6  
L8 6 S L7 NOT L5

L5 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2003 ACS

AN 2001:796329 CAPLUS

TI Transformed Escherichia coli containing sucrose  
phosphotransferase system (PTS) and non-PTS genes, and their use in  
production of amino acids utilizing sucrose

IN Livshits, Vitaliy Arkadyevich; Doroshenko, Vera Georgievna; Mashko, Sergei  
Vladimirovich; Akhverdian, Valery Zavenovich; Kozlov, Yuri Ivanovich

PA Ajinomoto Co., Ltd., Japan

SO Eur. Pat. Appl., 17 pp.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1149911	A2	20011031	EP 2001-109779	20010420
EP 1149911	A3	20020403		
JP 2001346578	A2	20011218	JP 2001-117409	20010416
US 2001049126	A1	20011206	US 2001-841609	20010425
PRAI RU 2000-110350	A	20000426		

L5 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2003 ACS

AN 2000:688811 CAPLUS

TI Molecular analysis of sucrose metabolism of Erwinia amylovora  
and influence on bacterial virulence

AU Bogs, Jochen; Geider, Klaus

SO Journal of Bacteriology (2000), 182(19), 5351-5358

L5 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2003 ACS

AN 1999:411498 CAPLUS

TI The genes controlling sucrose utilization in  
Clostridium beijerinckii NCIMB 8052 constitute an operon

AU Reid, Sharon J.; Rafudeen, M. Suhail; Leat, Neil G.

SO Microbiology (Reading, United Kingdom) (1999), 145(6), 1461-1472

L5 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2003 ACS

AN 1997:190293 CAPLUS

TI Extracellular melibiose and fructose are intermediates in raffinose  
catabolism during fermentation to ethanol by engineered enteric bacteria

AU Moniruzzaman, Mohammed; Lai, Xiaokuang; York, Sean W.; Ingram, Lonnie O.

SO Journal of Bacteriology (1997), 179(6), 1880-1886

L5 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2003 ACS  
 AN 1996:157768 CAPLUS  
 TI Molecular analysis of the scrA and scrB genes from *Klebsiella pneumoniae* and plasmid pUR400, which encode the sucrose transport protein Enzyme IIScr of the phosphotransferase system and a sucrose 6-phosphate invertase  
 AU Titgemeyer, F.; Jahreis, K.; Ebner, R.; Lengeler, J. W.  
 SO Molecular & General Genetics (1996), 250(2), 197-206

L5 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2003 ACS  
 AN 1996:36147 CAPLUS  
 TI Transcriptional regulation of the sucrase gene of *Staphylococcus xylosus* by the repressor ScrR  
 AU Gering, Martin; Brueckner, Reinhold  
 SO Journal of Bacteriology (1996), 178(2), 462-9

L5 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2003 ACS  
 AN 1994:237332 CAPLUS  
 TI Cloning and characterization of the scrA gene encoding the sucrose -specific Enzyme II of the phosphotransferase system from *Staphylococcus xylosus*  
 AU Wagner, Elke; Goetz, Friedrich; Brueckner, Reinhold  
 SO Molecular and General Genetics (1993), 241(1-2), 33-41

L5 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2003 ACS  
 AN 1993:464500 CAPLUS  
 TI Characterization of a chromosomally encoded, non-PTS metabolic pathway for sucrose utilization in *Escherichia coli* EC3132  
 AU Bockmann, J.; Heuel, H.; Lengeler, J. W.  
 SO Molecular and General Genetics (1992), 235(1), 22-32

L5 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2003 ACS  
 AN 1990:437604 CAPLUS  
 TI Expression and regulation of a *Bacteroides fragilis* sucrose utilization system cloned in *Escherichia coli*  
 AU Scholle, R. R.; Steffen, H. E.; Goodman, H. J. K.; Woods, D. R.  
 SO Applied and Environmental Microbiology (1990), 56(6), 1944-8

L5 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2003 ACS  
 AN 1990:418484 CAPLUS  
 TI Nucleotide sequences and operon structure of plasmid-borne genes mediating uptake and utilization of raffinose in *Escherichia coli*  
 AU Aslanidis, Charalampos; Schmid, Kurt; Schmitt, Ruediger  
 SO Journal of Bacteriology (1989), 171(12), 6753-63

L5 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2003 ACS  
 AN 1987:434300 CAPLUS  
 TI Expression and regulation of a *Vibrio alginolyticus* sucrose utilization system cloned in *Escherichia coli*  
 AU Scholle, Renate R.; Coyne, Vernon E.; Maharaj, Romilla; Robb, Frank T.; Woods, David R.  
 SO Journal of Bacteriology (1987), 169(6), 2685-90

L5 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2003 ACS  
 AN 1982:506746 CAPLUS  
 TI Plasmid-mediated uptake and metabolism of sucrose by  
 Escherichia coli K-12  
 AU Schmid, Kurt; Schupfner, Margit; Schmitt, Ruediger  
 SO Journal of Bacteriology (1982), 151(1), 68-76

L8 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2003 ACS  
 AN 1999:489214 CAPLUS  
 TI Cloning, sequencing, and expression of cscA invertase from  
 Escherichia coli B-62  
 AU Sahin-Toth, Miklos; Lengyel, Zsolt; Tsunekawa, Hiroshi  
 SO Canadian Journal of Microbiology (1999), 45(5), 418-422

L8 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS  
 AN 1996:666198 CAPLUS  
 TI Expression of the Escherichia coli pmi gene, encoding  
 phosphomannose-isomerase in Zymomonas mobilis, leads to utilization of  
 mannose as a novel growth substrate, which can be used as a selective  
 marker  
 AU Weisser, Peter; Kraemer, Reinhard; Sprenger, Georg A.  
 SO Applied and Environmental Microbiology (1996), 62(11), 4155-4161